

Title (en)

GATE VALVE ASSEMBLY COMPRISING A SEALING ASSEMBLY

Title (de)

ABSPERRVENTILANORDNUNG MIT EINER DICHTUNGSANORDNUNG

Title (fr)

ENSEMBLE CLAPET-OBTURATEUR COMPRENANT UN ENSEMBLE D'ÉTANCHÉI

Publication

**EP 2971465 A2 20160120 (EN)**

Application

**EP 14715813 A 20140314**

Priority

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- US 2014029628 W 20140314

Abstract (en)

[origin: WO2014144994A2] A gate valve assembly is provided for shearing an elongated member and controlling a fluid flow through a through bore of the gate valve assembly. The through bore is adapted for fluid communication with a well bore and is configured for receiving an elongated member. The gate valve assembly comprises at least one gate element movably arranged in a direction transverse to the through bore, wherein the gate element is provided with a cutting portion for shearing the elongated member in the through bore. The gate valve assembly further comprises first and second seal seats which are arranged for sealing with the at least one gate element. Further, a seal assembly is provided with at least one sealing surface for sealing with at least one of the first and second seal seats. The seal assembly has activation means for providing an additional sealing force in the engagement between the at least one sealing surface of the seal assembly and at least one of the first and second seal seats. The seal assembly is arranged in a portion of the gate element which is located outside the through bore in an open position of the gate element. The seal assembly is displaceable in the transverse direction into a sealing position when the gate element is in a closed position, wherein the sealing assembly has an activation mode in which the sealing activation means provides additional sealing force to the engagement between the at least one sealing surface of the seal assembly and at least one of the first and second seal seats. The invention also concerns a method for shearing an elongated member arranged in a through bore of a gate valve arrangement and closing the through bore.

IPC 8 full level

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Citation (search report)

See references of WO 2014144994A2

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